Joint Capabilities Integration & Development Syste

JCIDS Overview

Joint Staff,
J-8
Capabilities and Acquisition Division

Summary of Changes

JCIDS seeks to:

- **Enhance methodology to identify and describe capabilities gaps**
- **Mandate broader review of capability proposals**
- **Engage the acquisition community early**
- **Better define non-materiel aspects of materiel solutions**
- **Prioritize capability gaps and proposals**
- **Improved coordination with other departments**

SAP Solution

- **Improves COCOMs visibility of SAPs**
- **Provides COCOMs avenue to influence the SAP process**
  - **Membership on the Functional Capabilities Boards (FCB)**
    - **Review/comment on all SAP capabilities documents**
    - **Equal vote on capability development/"way-ahead"**

FCBs are the key……
- Provide SAP/"white-world" integration of ALL capabilities
- FCB + Electronic Connectivity = SAP HORIZONTAL INTEGRA

Identifying Future Capabilities Needs

National Security Strategy

DOD Strategic Guidance

Joint Operations Concepts

Guidance

Joint Operating Concepts

OPLANS and CONPLANS

Defense Planning Scenarios

Integrated Architectures

Joint Functional Concepts

Task Analyses

Overlay what we have with what we need to do
- COCOM IPLs
- Gap Analysis
- Risk Assessment

Capability Assessments

Assessment and Analysis

JCIDS Analysis

Reconciliation & Recommendations

JCIDS Recommendations

Capability Needs
DOTMLPF
Changes

Capabilities-based identification of needs combines joint concepts and integrated architectures with analysis

Decision and Action

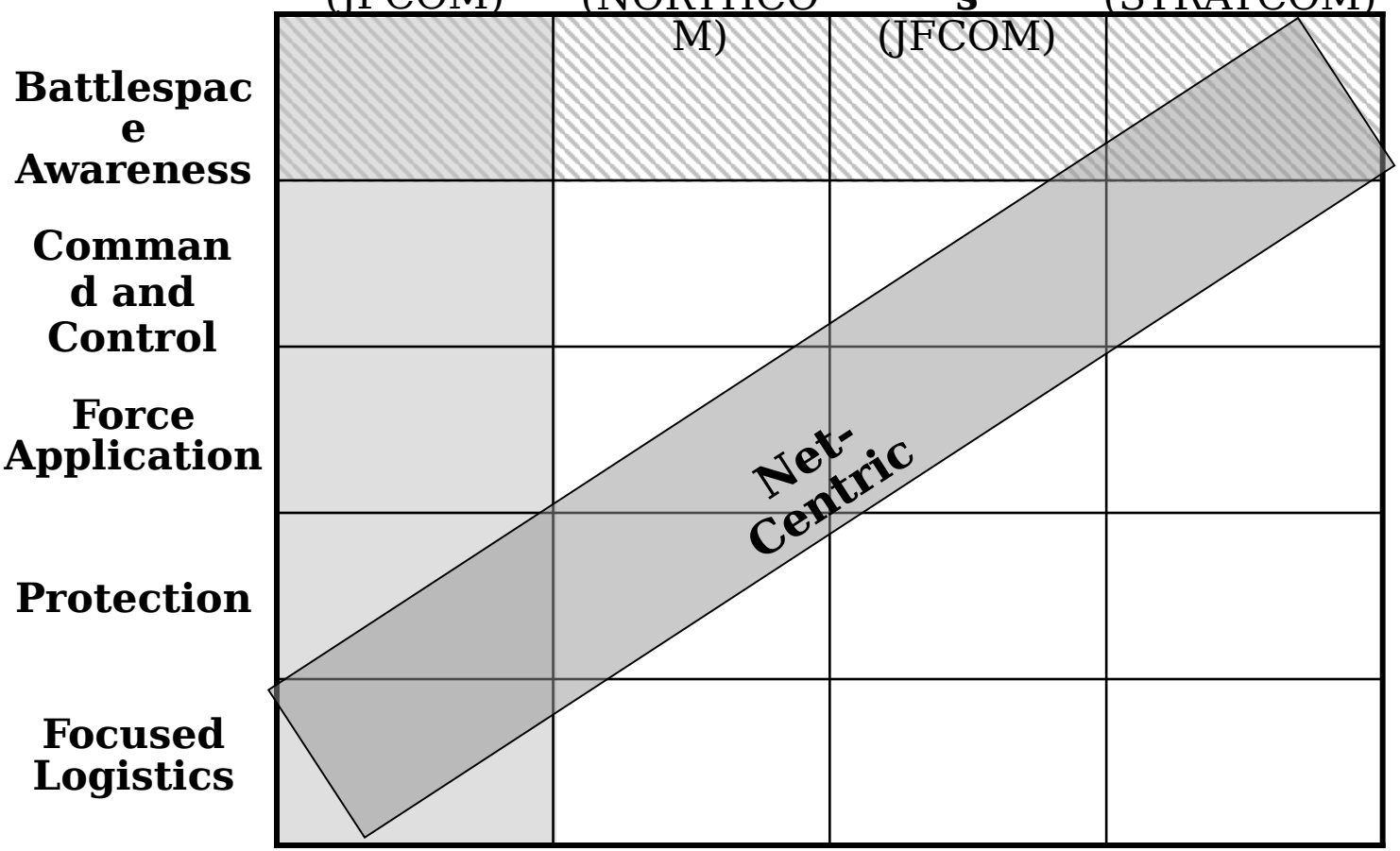
Science & Technology

Planning, Programming, and Budgeting System

Acquisition

Experimentation

Functional-Operational Relationships



JCIDS Analysis

Strategic Policy Guidance

Joint Operations Concepts

Joint Operating Concepts
Joint Functional Concepts
Integrated Architectures

Functional Area Analysis

Functional Needs Analysis

DOTMLPF Analysis

Materiel Changes CJCSI 3170 process

Ideas for Materiel Approaches

Analysis of Materiel Approaches

Alternative N
Alternative 2
Alternative 1

Post Independent Analysis

DOTMLPF Changes CJCSI 3180 Process

DOTMLPF Change Recommendation

CPD

CDD

ICD

Functional Solution Analysis

Oversight Body Comparison

Joint Requirements Panel (JRP)

- Services
- DIA Representative (Intelligence Supportability)

Functional Capabilities Board (FCB)

- Services
- Combatant Commanders
- USD (AT&L)
- USD (I)
- USecAF (Space)
- ASD NII/ DOD CIO
- USD (C)
- D, PA&E
- DIA Representative (Intelligence Supportability)
- Mission Requirements Board

Joint Requirements Board (JRB) → **Joint Capabilities Board (JCB)**

Joint Requirements Oversight Council (JROC) → **Joint Requirements Oversight Council (JROC)**

Functional Capabilities Board

Responsibilities:

- **Ensure new capabilities are conceived and developed in joint warfighting context**
- **Ensure JCIDS proposals are consistent with integrated joint force**
- **Organize, analyze & prioritize capabilities proposals**
- **Oversee development and update of Functional Concept(s)**
- **Ensure integrated architectures (as available) reflect the functional area**
- **Leverage full resources of the Department**

Chartered FCBs

JROC:

* Charters FCBs
* Directs FCB efforts
* Identifies the FCB lead

FCBs:

* Milestone Decision Authority Co-chairs
* Bring all stakeholders together for common review and issue resolution
* Prioritize/assess capability gaps and proposals

Command & Control
BGen Rogers
JFCOM J-8

Battlespace Awareness
RDML Murrett
JS J-2

Focused Logistics
BGen Taylor
JS J-4

Net-Centric
RDML Brown
JS J-6

Force Application
MGen Scott
JS J-8

Force Protection
RADM Mathis
JS J-8

JCIDS Gatekeeper

Perform an initial review of all JCIDS proposals

- **Support provided by JFCOM, J6, J7, J8, FCB WGs**

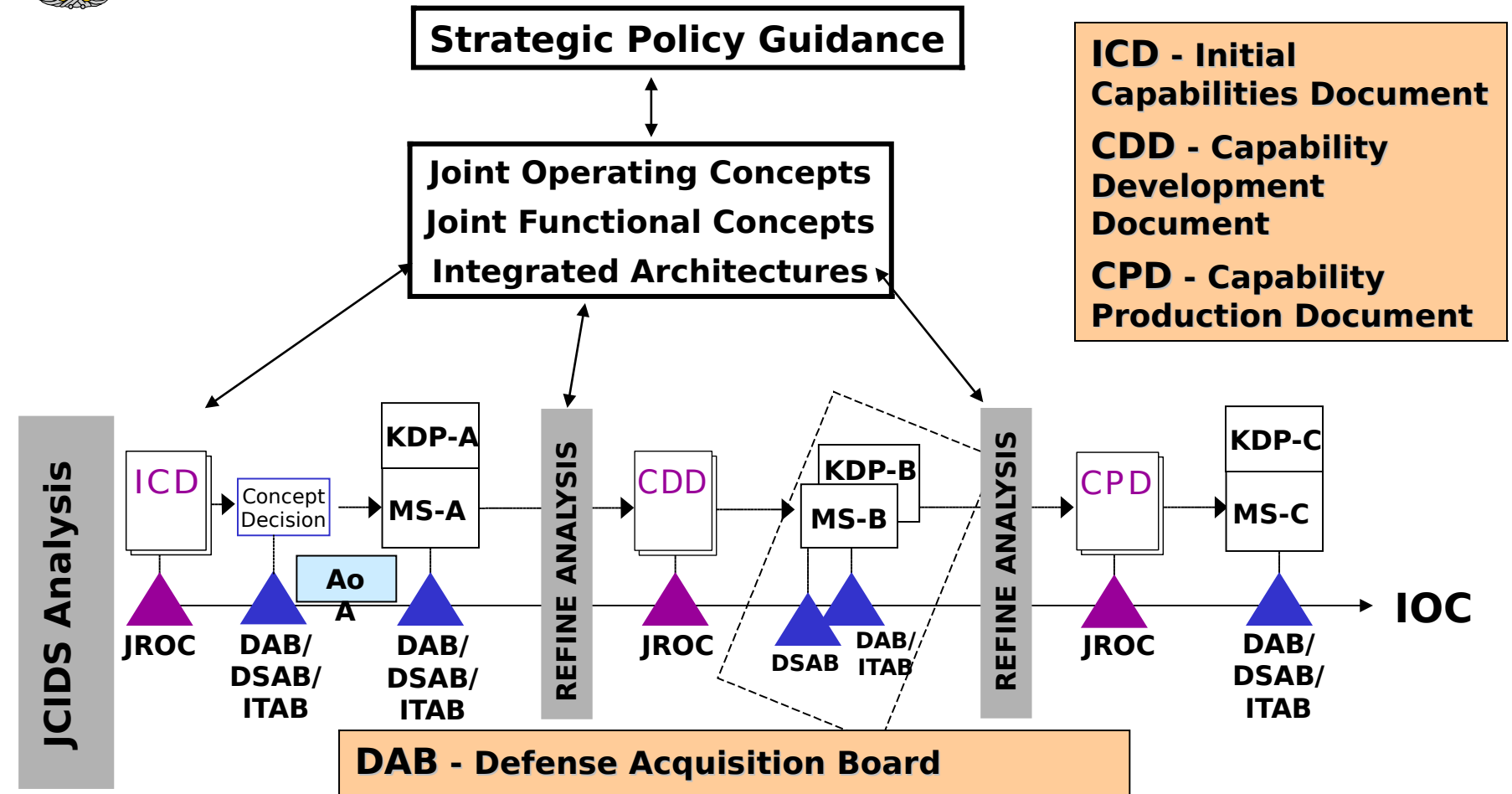
The Gatekeeper will determine:

- **Joint Potential Designator**
- **Lead and supporting Functional Capabilities Boards**

Joint Potential Designators (JPD)

- **JROC Interest**
  - **All ACAT I/IA, CRDs, and DOTMLPF change proposals**
  - **Any ACAT II and below program with significant joint impact**
  - **JROC validates and approves**
- **Joint Integration**
  - **Any ACAT II and below program without significant joint impact**
  - **Requires intelligence, munitions or interoperability certification**
  - **Sponsor validates and approves**
- **Independent**
  - **Any program not meeting the above criteria**

Ties to the DOD 5000 Series and Space Acquisition Policy



Additional Information

- **Revised Chairman's Instruction and companion Manual were signed 24 Jun 03**

- **CJCSI 3170.01C and CJCSM 3170.01 are posted on the DTIC web site: http://www.dtic.mil/cjcs_directives**

- **Resident and Distance learning available through the Defense Acquisition University http://www.dau.mil**

- **Joint Staff POC: CDR Pete Grause**
  Mr. Bill Cooper
  J-8/CAD
  (703)-697-7525

JOINT
CHIEFS OF STAFF

Back-up

Previous Requirements and Acquisition Process

Frequently produced stovepiped system solutions

- Requirements were Service rather than Joint focused
- Lacked construct for objective analysis
- Systems not necessarily integrated
- Duplication existed particularly in smaller programs
- Evolutionary acquisition not well institutionalized
- Joint warfighting needs not prioritized

JCIDS Instruction and Manual

Developed in conjunction with DoD 5000 Series

CJCSI 3170.01C

- **Top-level description**
- **Organizational responsibilities**

CJCSM 3170.01

- **JCIDS Analysis Process**
- **Define performance attributes & key performance parameters**
- **Validation & approval process**
- **Document content**

JCIDS Analysis

- **Functional Area Analysis (FAA)**
  - **Identify operational task, conditions, and standards needed to accomplish military objectives**
  - **Result: Tasks to be accomplished**
- **Functional Needs Analysis (FNA)**
  - **Assess ability of current and programmed capabilities to accomplish the tasks**
  - **Result: List of capability gaps**
- **Functional Solutions Analysis (FSA)**
  - **Operational based assessment of DOTMLPF approaches to solving capability gaps**
  - **Result: Potential DOTMLPF approaches to capability gaps**
- **Post Independent Analysis**
  - **Independent analysis of approaches to determine best fit**
  - **Result: Initial Capabilities Document**

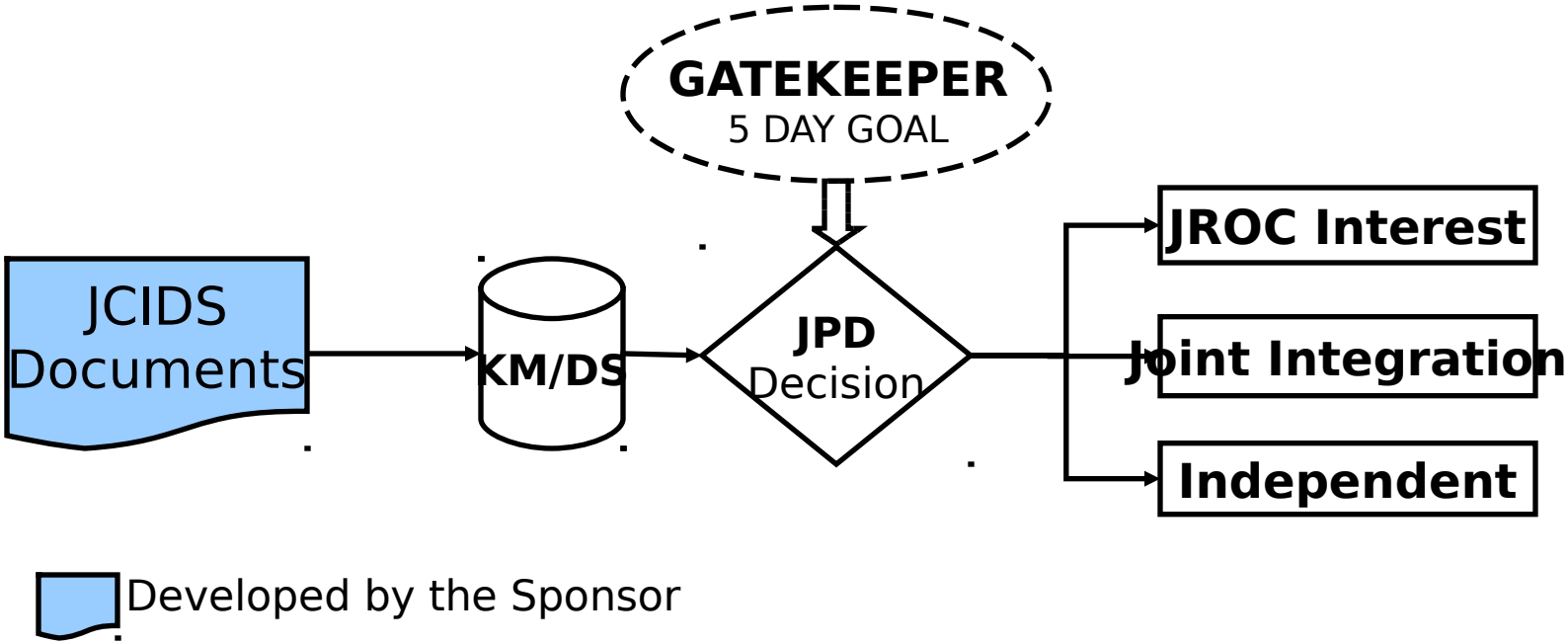
JCIDS Documents

- **Initial Capabilities Document (ICD)**
  - **Identifies a capability gap or other deficiency**
  - **Describes evaluation of DOTMLPF approaches**
  - **Support AoA, Concept Refinement and Milestone A**
  - **Not updated once approved**
- **Capability Development Document (CDD)**
  - **Identifies operational performance attributes of proposed system**
  - **System specific, applies to single increment (in an evolutionary program)**
  - **Results from Technology Development and supports Milestone B**
  - **Updated or rewritten for subsequent increments**

JCIDS Documents (cont'd)

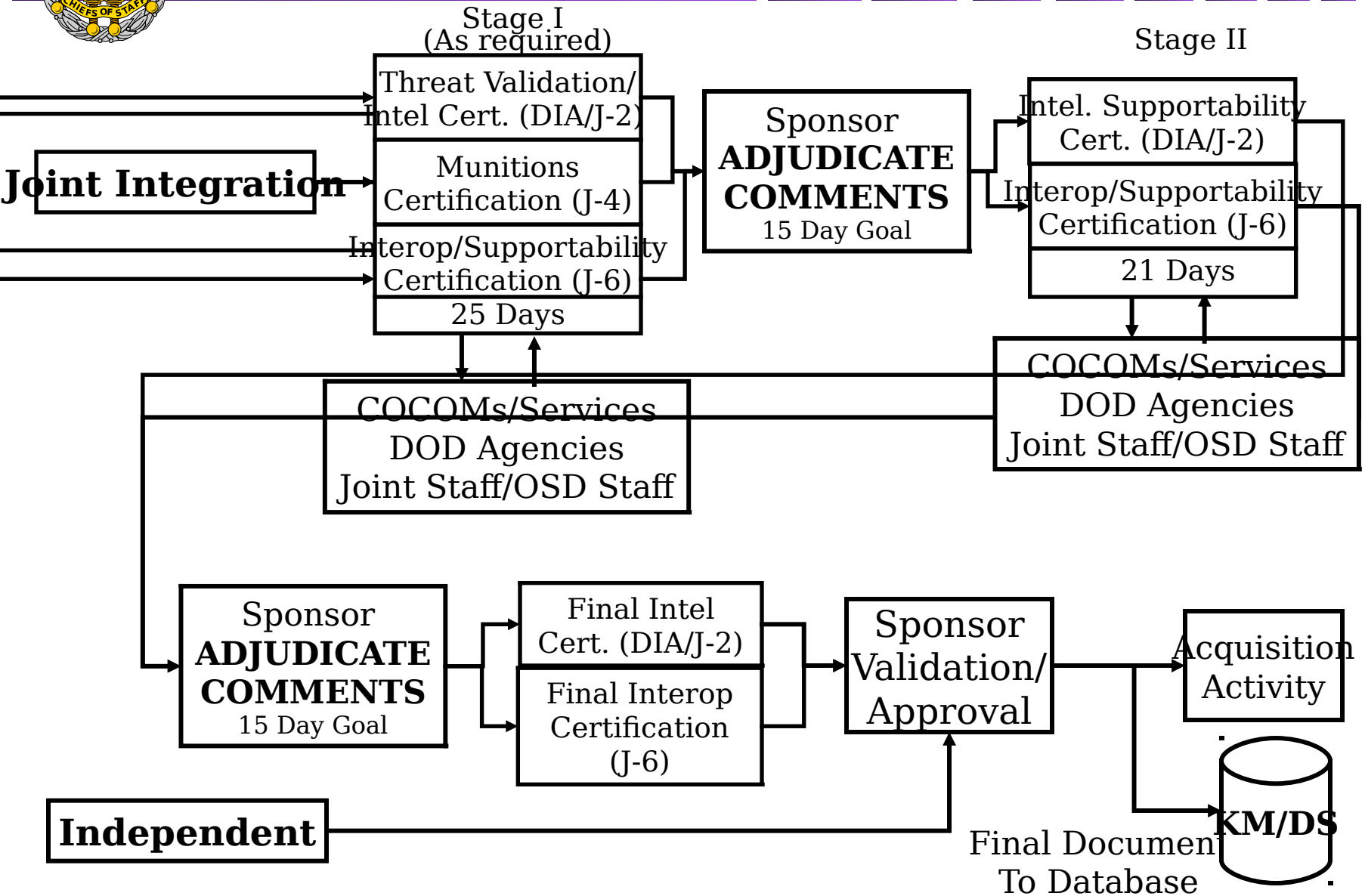
- **Capability Production Document (CPD)**
  - **Identifies production attributes for a single increment of a program**
  - **Prepared during System Development and Demonstration**
  - **Rewritten for each increment in a evolutionary program**
- **Capstone Requirements Document (CRD)**
  - **Describes overarching thresholds/goals and standards in functional areas**
  - **Especially for family-of-systems or system-of-systems approaches**
  - **Developed only at JROC direction**
  - **Eventually to be replaced by integrated**

Gatekeeping Process

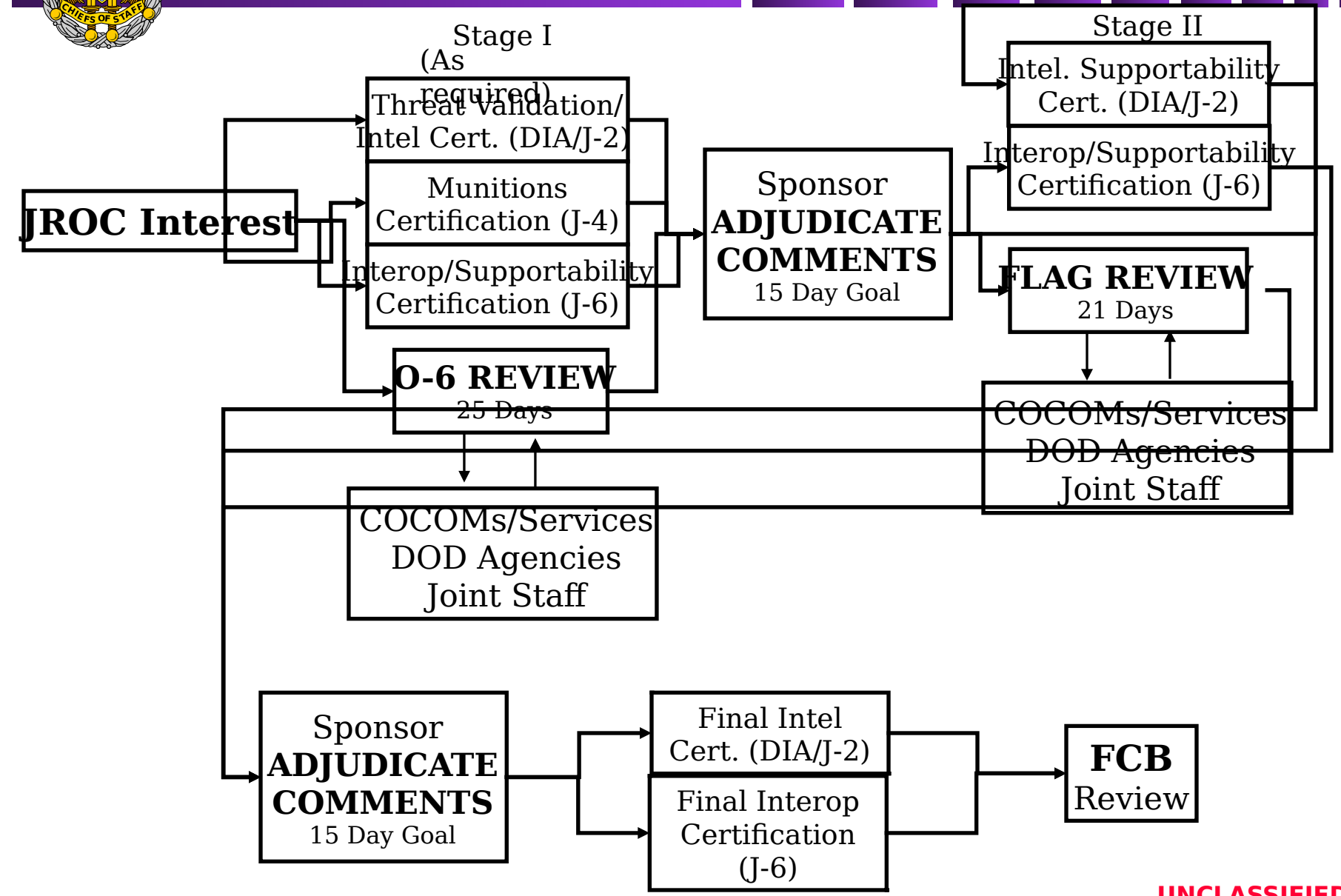


KM/DS - Knowledge Management/Decision Support Tool

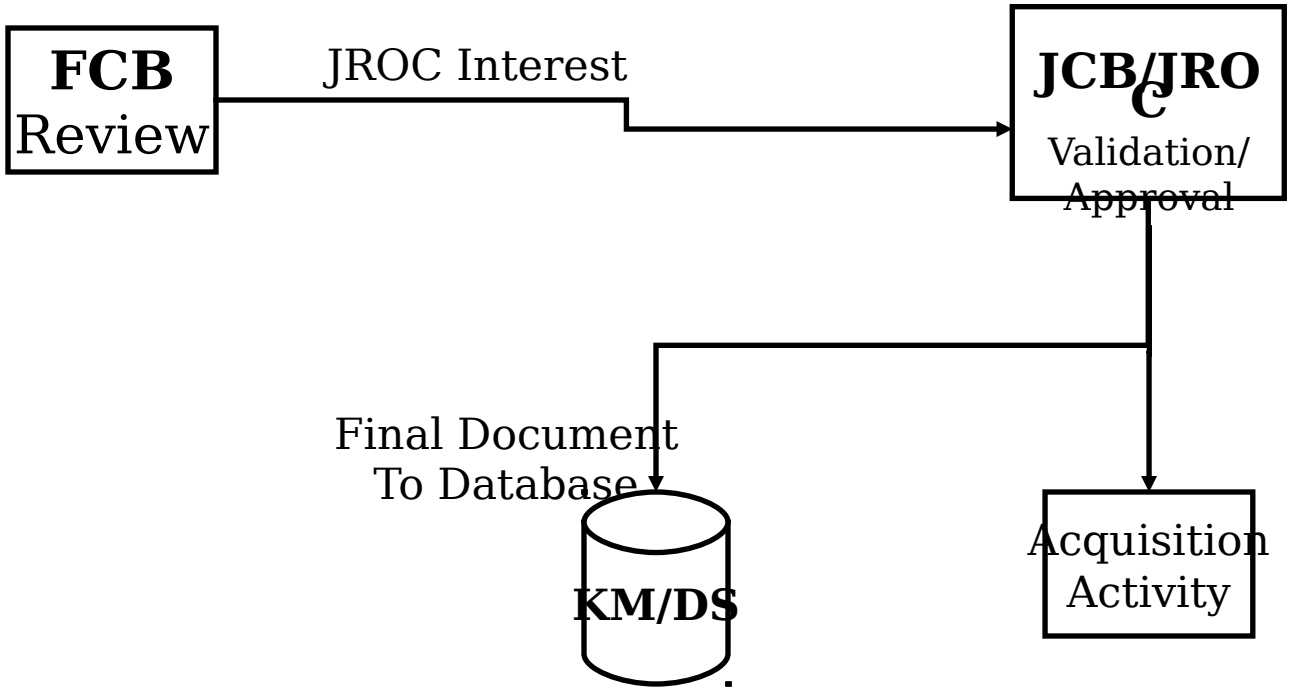
Joint Integration and Independent



JROC Interest Staffing



JROC Interest Approval



FCB Membership

Principal Members

- Services
- Combatant Commanders
- USD for Acquisition Technology and Logistics
- USD for Intelligence
- ASD for Networks and Information Integration/DoD Chief Information Officer
- USecAF (Space)
- USD Comptroller
- Director, Program Analysis & Evaluation
- Defense Intelligence Agency
- Mission Requirements Board Executive Secretary

Advisory Membership

- FCB Working Group leads
- J-6E/I (interoperability advisor)
- J-8 Warfighting Concepts and Architectures Integration Division
- DOD laboratories & industry

FCB Working Group Responsibilities

- **Coordinate and assist sponsors during JCIDS analysis and document development**
- **Coordinate with the sponsor, as a resource of broadly-based knowledge, to resolve issues prior to or as a result of formal staffing**
- **Lead FCB Working Group**
  - **Analyze capabilities documents, with supporting FCBs, to ensure joint warfighting aspects have been considered**
  - **Provide a summary analysis and recommendation to the FCB/JCB/ JROC on validation and/or approval of JCIDS documents**
- **Supporting FCB Working Group. Support the Lead FCB analysis**
- **Continually review the assigned functional area, as directed by the JROC, to identify capability shortfalls**
- **Develop and maintain prioritized lists of capability shortfalls and current JCIDS proposals across the assigned functional area**
- **Support the Gatekeeper process for each JCIDS document**